



# NITFS Compliance Registration



**Product:** Synthetic Imagery Generation System (SIGS) Version 6.0

**Sponsor:** National Reconnaissance Office

**Developer:** Northrop Grumman

**Date:** 02 March 2004

**Expiration:** 01 March 2006

**Registration #:** 1020

☐ Initial Registration  
☒ Supplemental/Update #17  
☐ Derived from Reg. #

☒ **System**  
N-0105/98, §4.1.1

## NITFS Features Implemented:

☐ **Product**  
N-0105/98, §4.1.2

☐ **Component**  
N-0105/98, §4.1.3

### Format

☐ NITF

☒ v2.1

☒ v2.0

☐ v1.1

☐ NSIF

☐ v1.0

### Image Segment Types

☒ MONO

☐ RGB

☐ RGB/LUT

☐ YCbCr

☐ MULTI

☐ NO DISPLY

☐ POLAR

### Data Extension Segments

☐ TRE\_OVERFLOW

☐ STREAMING\_FILE\_HEADER

☐ Controlled Extensions \*\*

☐ Registered Extensions \*\*

### Tagged Record Extensions

None

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

## Configurations Tested:

-Sun Blade 1000 (Solaris 8)  
-Pentium 4 (Windows XP)

### Pixel Value Types

☐ Boolean

☒ Integer

☐ Signed Integer \*

☐ IEEE Real \*

☐ IEEE Complex \*

### Image Compression

☒ Not Compressed

☒ JPEG Lossy, 8-bit

☐ JPEG Lossy, 12-bit

☐ JPEG Downsampling

☐ JPEG Lossless

☐ JPEG 2000

☐ BC Level

☐ Vector Quantization

☐ Multispectral JPEG, Individual Band

### Annotation Segment Types

☐ Bit Mapped \*\*

☒ CCM, 2301

☐ CCM, 2301A

☐ Labels \*\*

### Text Segments

☐ STA

☐ UT1

☐ U8S

☐ MTF

☒ Fully implemented  
☐ Partially implemented  
☐ Not implemented

EDWARD E. BOYLES II, Division Chief  
Joint Interoperability Test Command  
Executive Agent to National Geospatial-  
Intelligence Agency for the NITFS Test and  
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.  
Potential users should evaluate the detailed test results to determine the suitability of  
the product for the intended use. Optional NITFS features may not be implemented.